



Supporting the technical workforce in the creative, digital, engineering and science technologies for 75 years

#ISTConf2023
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75 Years and Beyond

Delivering Excellence & Innovation in a Changing Technical Landscape

iST CONFERENCE 2023 WORKSHOPS

London South Bank University
Wednesday 13th September

Thank You to our Key Sponsors

Uni
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Scheme



Workshop 1
(Blackfriars Lecture Theatre)

Effective Data Science Presentations with R



Richard Saldanha
Artificial Intelligence Group (IST)



Brief Information

It has never been so easy to model and present data. However, the range of tools available can at first appear bewildering and there are few guidelines on what constitutes best practice. This workshop aims to provide practical help and advice on the effective use of R from a presentation perspective. In particular, we will look at the use of Quarto to combine text, mathematics, R code and data in one handy input file that can be used to create great presentations in the form of PDF, html and many other output formats.

Workshop 2
(Battersea Lecture Theatre)

Arts Registration Framework Update



JP Ashton-Kinlin & Joan Ward
The Institute of Science and Technology



Brief Information

An update on the progress on the establishment and roll-out of the new professional registration framework for the creative technologies.

Professional registration is a viable way of evidencing your skills, knowledge and continuing development aims. With the support of Creative UK, IST have created a professional registration vehicle for technicians working in a creative role and encourage all creative technicians and practitioners to become registered.

Workshop 3
(Waterloo Lecture Theatre)

How the TMU, and peer networking in general, can help you



Paul Gilbert
Technical Managers in Universities



Brief Information

Technical Managers in Universities (TMU) is a large, informal, and very active network that provides its members with access to an enormous wealth of shared experience, information, and support from peers throughout the whole of the UK.

This talk will introduce and describe the TMU network and will go on to explore more broadly how peer networks, such as TMU, can help you in your day-to-day job, help boost your career, and even help to drive sector-wide activity and policy.

Workshop 4
(Vauxhall Lecture Theatre)

MI Talent H&S survey and the role of technical staff in supporting H&S



Ed Bowerman & Catrin Harris
MI Talent



Brief Information

This interactive workshop will explore the findings and recommendations from the brand new Midlands Innovation TALENT report 'Creating and Maintaining Safe Environments: The Role of Technicians in Health and Safety'. Technicians will learn about best practice already taking place and how the recommendations can be taken forward in their own workplaces.

Workshop 5
(Chelsea Lecture Theatre)

Career pathways and the three Rs



Sara Bacon and Jan Brett

National Technician Development Centre and The University of Liverpool



Brief Information

This session will provide an overview of the opportunities that clear career pathways can create; looking at the newly created RTP (Research Technical Professional) career pathway.

The session will include:
 Overview of the current RTP at Liverpool
 Insight into a case study of Technicians on the RTP
 Using the Technician survey data to address recruitment, retention and recognition

Career support and tips from Liverpool/NTDC perspective and Q & A session.

Workshop 6
(Southwark Lecture Theatre)

Athena Swan Award- Gender Equality Work in Technical Services at the University of Reading



Karen Henderson, Shan Shen, Andrew Cripps & Anthony Vencatasamy

The University of Reading



Brief Information

Professional, Technical and Operational (PTO) departments can now apply for the Athena Swan award. This was previously only available to academic departments. Technical Services at the University of Reading has achieved the first-ever PTO Directorate award. This session gives an overview of their submission which describes gender equality work, including increasing representation of female technicians, reducing their gendered occupational segregation in teaching and research activities and the implementation of a career pathway for technical staff.

Workshop 7
(Westminster Lecture Theatre)

Selling your redundant lab equipment through UniGreenScheme - with case studies presented by the University of York.



Michael McLeod & Benjamin Glazier and Clare Steele-King & Jodie Malcolm

UniGreenScheme and University of York



Brief Information

In order to maintain world class facilities, universities are regularly buying new equipment. Older equipment can quickly accumulate in store-rooms, cupboards or even in labs taking up valuable space. Often due to space pressures this equipment ends up being disposed of as waste.

This talk will cover how UniGreenScheme works, and will be co-presented by users at the University of York talking through their experience and how they have made best use of the service.

Key Sponsor Talk:

UniGreenScheme

Workshop 8
(Blackfriars Lecture Theatre)

Delivering value in the face of rapid technological change



Dr Ethan Knights
Westminster City Council



Brief Information

“Delivering value in local government in the face of rapid technological change”

Dr Knights will discuss the realities of delivering value in the face of rapid technological development. Dr Knights will cover local government and commercial examples.

Dr Ethan Knights is a Data Scientist part of the Data Architecture Team in Westminster City Council.

Workshop 9
(Vauxhall Lecture Theatre)

The Role of Creative Arts Technician in HE – Sustaining Creativity, Networking and Mindfulness



Graeme Shaw and Tom Chaplin & Oliver Spier
Chaired by Marie Agossou

Brunel University London and London South Bank University



Brief Information

In this workshop panel members from London South bank and Brunel University will demonstrate what it is to be a creative arts technician in HE and how they find their own ways to perform at the highest level through their own practice of creativity and networking’.

The workshop session will be chaired by Marie Agossou and include:

- Creative Arts Presentation – Graeme Shaw will present his latest piece of work.
- Mindful Photography – Tom Chaplin: An exploration of connecting with senses and surroundings to take photos with intent.
- Arts Technicians Forum – Oliver Spier talks about the development, progress, and intentions of this technician focused user group.

Workshop 10
(Chelsea Lecture Theatre)

Evacuation management? Not my responsibility



James Jenkin
University of Manchester

Theme:



Brief Information

This talk will look at the approaches to evacuation practices that provide support for all, from all disciplines; from science and engineering to digital and creative arts.

Workshop 11
(Southwark Lecture Theatre)

Insights into Employing Technical Apprentices



Caleb Wright and Karen Bailey-Smith and Tom Cheek

The University of Birmingham and Sheffield Hallam University and Science Council



Brief Information

This session will provide an overview of the current apprenticeship landscape and how it relates to technician apprenticeships and includes:

- Overview of the current apprenticeship funding landscape and things to be aware of
- Insight and tips from an Apprenticeship Scheme Manager (Caleb Wright, UoB)
- Insight and tips from a Senior Technical Manager (Dr Karen Bailey-Smith, SHU)
- Insight and tips from an apprentice (Thomas Downes, UoB)
- Professional Registration for apprentices with the Science Council
- Q and A

Workshop 12
(Westminster Lecture Theatre)

The London and South-Eastern Technician Commitment Network



Karen Henderson, Stephen Franey MBE, Kam Atwal, Darren McCabe, Burcu Bronner-Anar, Uzma Sadiq & Isabel Goncalves Cattuzzo

The London and South Eastern Technician Commitment Network

Brief Information

The London and South Eastern Technician Commitment Network was established in 2018 and now has more than 20 members. This session gives an overview of the activities of the network and includes mini talks from members of the network on their work on Visibility, Recognition, Career Development and Sustainability.



Interactive Tour 1
(Extension Block Lab E132)

The Built Environment & Architecture Strength of Materials and Structures- "Are You Strong Enough"



Paul Elsdon
London South Bank University



Brief Information

In this interactive session explanations will be given regarding the methods used to measure forces in materials and structures. Guests will be invited to 'test' their strength against a range of materials and equipment and then observe how lab-based test conditions are used to quantify material properties. An overview of how the lab is used for as a teaching and research facility will also be provided.

This session will last 45 minutes with the opportunity for delegates to be hands on.

Interactive Tour 2
(Forensic Science Faraday Wing)

Applied Sciences - Evidence Recovery Techniques at a Crime Scene



Laura Elsey
London South Bank University



Brief Information

In this session, there will be a demonstration of evidence recovery techniques at a Crime Scene - to include Fingerprints, Footwear marks and Toolmarks.

With opportunity for delegates to carry out some of the techniques (time permitting).

This session will last 40 minutes with a presentation and the opportunity for delegates to be hands on.

Interactive Tour 3
(K2 Building Clinical Skills Labs)

Health and Social Care - Clinical Skills and Simulation 'Interactive'



Tamica Mighty, Dave Easton & Martin Weller
London South Bank University



Brief Information

The Clinical Skills and Simulation team will present a mix of hands on workshops and demos including:

- Moulage Workshop :Examples of Moulage used to enhance simulation teaching.
- Livestream from Croydon Sensory Room: Live stream from the new Sensory Room from our Croydon Campus to facilities in Southwark, to showcasing the equipment and capabilities.
- Meet the Manikin: a hands on session with the one of the high fidelity manikins.

Interactive Tour 4
(ES Film Studio)

The Arts and Creative Industries - Lighting for Darker Skin Tones Workshop and Cross-discipline AV Installation.



Louise Anderson & Alan Power
London South Bank University



Brief Information

A short workshop focusing on stage and screen lighting for darker skin tones, followed by a short AV, light and sound installation created by technicians from Elephant Studios and the Edric Theatre, showcasing various elements of their expertise.

A Q&A about the installation and its creation will follow.

Workshop 13
(Blackfriars Lecture Theatre)

AI Group Forum: Generalisable Framework for Ethical Research into AI



Murray Webster
Artificial Intelligence Group (IST)



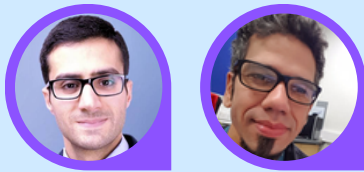
Brief Information

Murray Webster will lead a forum with the AI Special Interest Group and participating audience to discuss a number of topics relating to the inclusion of Ethics within scientific research within the field of AI.

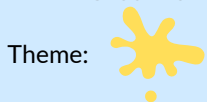
His future work in the construct of a generalisable framework for ethical research in AI in particular focuses on the necessary inclusion of the interdisciplinary work of AI projects and developments.

Workshop 14
(Tower Block Lvl 2 Labs)

The Fascinating World of Insect Wings: Unveiling Adaptability & Technological Potential



Dr. Hamed Rajabi & Silvio Lavandeira
London South Bank University



Brief Information

An enthralling exploration into the intricate realm of insect wings. In this captivating presentation, we will delve into the remarkable complexity of insect wing design and unravel the structural components that dictate their functionality during flight.

Discover how wings serve as adaptive structures, dynamically altering their shape to seamlessly adapt to the forces of flight.

Workshop 15
(Southwark Lecture Theatre)

Technical staff UKRI grant funding discussion



Russell Wilson and Dr Ian Hancox & Dr Sarah Bennett and Prof. Andrew Filby

Heriot-Watt University and University of Warwick and Newcastle University



Brief Information

In this workshop we will be joined by Dr Ian Hancox, Director of Research Technology and Technical Strategy, University of Warwick, Dr Sarah Bennett, Research Technology Facility Manager, University of Warwick and Prof. Andrew Filby, Professor of Practice in Enabling Technologies and Co-Lead of ITSS, Newcastle University, will share their experiences of writing successful business cases and grant applications during a panel discussion.

This will also help flag and identify the latest UKRI funding opportunities specifically target at research technical professionals.

Workshop 16
(Westminster Lecture Theatre)

IST Women in Tech Group



Joan Ward, Marie Oldfield & Margaret Ross

IST Women in Tech Group

Theme:



Brief Information

An update on the activities of the IST's Women in Tech Group and a look forward into 2023/24.

Workshop 17
(Battersea Lecture Theatre)

SISO SmartHub and SmartLab Systems



Bernie Jendrzewski

Siso

Theme:



Key Sponsor Talk:



Brief Information

In academic environments, technicians often encounter a range of challenges that can hinder their effectiveness and productivity. One primary issue is the complexity of managing and coordinating various technical tasks across diverse departments and projects.

The lack of centralized tools for booking management, project coordination, and resource allocation can lead to inefficiencies and conflicts, as technicians struggle to navigate clashing schedules and priorities.

Siso's development of the Technical Hub within the SmartHub and SmartLab systems, directly addresses the multifaceted challenges faced by technicians in academic settings.

Workshop 18
(Vauxhall Lecture Theatre)

Sustainable chemical and instrument management in the laboratory



Gabor Radics

Labcup Ltd

Theme:



Key Sponsor Talk:



Brief Information

Dr. Gabor Radics (PhD, DGSA) will speak about modern solutions to the challenges you face in research laboratories or production sites today. Working with chemicals and expensive instruments requires a great deal of administration, reporting, health and safety, financial and environmental considerations. Using clever software solutions shows the way forward.

Gabor holds a PhD degree in chemistry and over 15 years of firsthand experience in academia and in the pharmaceutical industry.

THANK YOU TO ALL OUR SPEAKERS

The Institute of Science & Technology is very grateful for the support from our professional speakers, who truly do make the day a brilliant success.

The thoughts, opinions and expertise are their own and they have put a great deal of time of detail into the workshops to give delegates new and interesting insights, into their own work or into something they are particularly interested in.

Fancy being involved with our Conference in 2024? We would love to hear from you if you are interested in delivering a workshop next year. Please contact us on office@istonline.org.uk.



Dr Helen Sharman, CMG OBE FIScT HonFRSC Technical Conference Chair & IST President

Helen Sharman, CMG, OBE, HonFRSC is a British chemist and space technician, who became the first British person, first Western European woman and first woman in space, as well as the first woman to visit the Mir space station, in May 1991.

Helen started her career with a degree in chemistry from the University of Sheffield before working in industry for GEC and Mars Confectionery. Helen then trained at the Yuri Gagarin Cosmonaut Training Centre, becoming the first British astronaut when she launched into space on board a Soyuz spacecraft on 18 May 1991. Helen became a science communicator after her space flight.

Helen started a new career in management, working at the National Physical Laboratory and at Kingston University London, before moving to Imperial College in the summer of 2015.

Helen is the IST President and is an advocate for technical staff all over the world.



Professor David Andrew Phoenix, OBE FRSC

Professor David Phoenix is the Vice-Chancellor of London South Bank University and CEO of the LSBU Group. In addition to being the Accountable Officer for the university, he is the Accountable Officer for South Bank Colleges and Principal Accounting Officer for South Bank Academies. He was elected to the Fellowship of the Royal College of Physicians (Edinburgh) for his contribution to medical research and education and recognised as an Academician by the Academy of Social Sciences for his work in areas linked to educational policy and the skills agenda.

With over 250 publications, Prof. Phoenix has held a range of visiting posts including visiting professor at King's College London and Sichuan University, China. His research focuses on molecular engineering and soft matter modelling. He is a Fellow of the Institution of Engineering and Technology, the Royal Society of Chemistry, the Royal Society of Biology, the Institute of Mathematics and Its Applications, and the Royal Society of Medicine. In 2010 he was made an Officer of the Most Excellent Order of the British Empire for services to Science and Higher Education, and appointed as a Deputy Lieutenant of Greater London in 2015.

He has a strong interest in public engagement with science and engineering. In 2015 the Prime Minister appointed him as a Trustee of the Science Museum Group where he is Deputy Chair. He has also been Chair of the Science and Industry Museum.

Prof. Phoenix has worked extensively overseas, developing and leading on an overseas campus in Cyprus and a research institute in China. He was awarded an individual Excellence award by China's Vice Premier in 2014 and in 2016 was given the national Friendship Award (China) by the Premier for his outstanding contribution to the country's economic and social development.

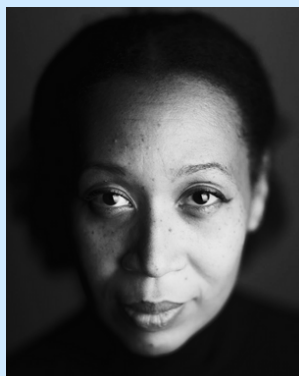


Dr Kelly Vere, MBE FIScT

Dr Kelly Vere MBE is the Director of Technical Strategy at the University of Nottingham where she began her career as a junior medical technician in 1999. She now leads an award-winning programme to enable the strategic and professional development of the University's 700+ technical staff across the UK and Asia. She is a passionate advocate for technical skills, roles and careers in higher education and research and has written for the Guardian, Times Higher Education and Nature.

Kelly founded and leads the Technician Commitment – a sector wide initiative to ensure visibility, recognition, career development and sustainability for the technical community across higher education and research which currently stands at over 115 institutional signatories and sector supporters. She leads a £5M Research England funded programme 'TALENT', awarded to the Midlands Innovation universities to advance status and opportunity for the technical community.

Throughout her career Kelly has created, facilitated and led a number of opportunities for the technical community. These include the UK Higher Education Technicians Summit and Papin Prizes, the Herschel Programme for Women in Technical Leadership, the UK Technology Specialist Network (TSN) and TechxFest. In 2023, it was announced that she will lead the new £5.5M UK Institute for Technical Skills & Strategy (ITSS).



Marie Agossou

London South Bank University

Marie is responsible for overseeing technical support in the Arts and Creative Industries at LSBU. She manages a team of technical professionals who provide support, instruction, and expertise to students and staff.

Marie has a BA in Electronic Arts and a MSc degree in Interaction Design. She has collaborated on arts and media projects that have been exhibited and published nationally and internationally. She joined LSBU in 2007 as an animation and interactive design technician and has held various roles since then. Her experience as a creative media practitioner and her time at the university have given her a comprehensive understanding of the creative, practical, pedagogic, and technical demands of the creative industries curricula.



Louise Anderson

London South Bank University

Louise is a Multiskilled Technician and Lighting Designer currently working at the Edric Theatre. Previously based in Manchester, she freelanced in various small scale and commercial theatre productions all over the UK. Throughout her career, it has been her mission to encourage and inspire young people from marginalised backgrounds to pursue opportunities in backstage theatre by running inclusive technical workshops and being visible in an industry that still struggles with diversity.



JP Ashton-Kinlin

Institute of Science and Technology

JP is the IST Executive Support Consultant and Director of several SMEs. JP worked as a technician for 8+ years before moving into a more operational role with a big emphasis on learning effective marketing and recruitment strategies. He is a Registered Scientist with the Science Council and Trainer, Assessor and Mentor.

JP is based in Sheffield and Manchester, but you may see him attending events or organisations across the UK at an IST stand or talking about Professional Registration and how awesome and useful CPD is as one vital way of becoming more transferable.



Kam Atwal

Brunel University London

Kam Atwal is a Senior Technician at Brunel University London, who are responsible for providing a support service in the teaching and research laboratories (Biosciences).

They are a member of the London and South Eastern Technician Commitment Network. The network was established in 2018 by co-leads Stephen Franey, King's College London and Karen Henderson, University of Reading.



Sara Bacon

National Technician Development Centre

Sara Bacon is the NTDC centre manager which provides central expertise, services and support to the technical community and HEIs through training, networking opportunities.

Previously working in the chemical industry, R&D, data management, outreach FE, HE and school teaching; all possible with the dedicated support of technical staff.

For more information on the NTDC, you can visit: <https://ntdc.ac.uk>.



Karen Bailey-Smith

Sheffield Hallam University

Karen started her career as a technician in a food testing laboratory, worked in vaccine manufacture and for the Ministry of Agriculture and fisheries in New Zealand. She returned to the UK to study for her PhD in the Department of Molecular Biology and Biotechnology at the University of Sheffield, before embarking on her career at Sheffield Hallam University. Starting life as a Bioscience technician, nearly 20 years ago, and then moving up to technical team leader and then Technical Development Manager for 3 years, responsible for delivery of Hallam's Technician Commitment action plan. Recently she was successful in moving up into her current role, Head of Technical Resources and Service development where she continues to lead on the Technician Commitment apprenticeship programme.



Sarah Bennett

University of Warwick

Dr Sarah Bennett is a scientist, technician, and an advocate for good research culture. She has spent 20 years working in higher education and research facilities, specialising in a range of scientific disciplines. She now manages the Bio-Analytical Shared Resource Laboratories at the University of Warwick. Sarah has built a number of successful business cases; for recruitment, job re-evaluation and grant funding. Earlier this year, she was awarded funding as the PI lead on a BBSRC ALERT22 equipment bid.



Ed Bowerman

Midlands Innovation TALENT

Ed is a Technical Training Manager for the Midlands Innovation TALENT project. Ed is part of the TALENT learning and career development team that focuses on providing learning and empowerment opportunities for technical staff. He has a particular focus on the technical skills that technicians highlight as being essential for their development and progress. He brings a creativity to the workshops that he runs and has started a 'Learning by Doing' series that centres around hands-on activities to maximise engagement of technicians. Recently, Ed has been involved in a project investigating the role of technicians in health and safety in higher education and research. Ed previously worked as a technician, engineer and technical manager at Rolls-Royce Civil Aerospace.



Jan Brett

University of Liverpool

Jan Brett is the Technical Development and Planning officer in the Faculty of Health and Life Sciences at The University of Liverpool. Jan works with faculty technical managers and leaders to support workforce planning and the development of all faculty technical staff. Jan also chairs Liverpool University Technical Network which means she has the opportunity to engage with all technicians across the University. Jan was previously a technical team leader supporting research and before that was a research technician herself.



Burcu Bronner-Anar

Wellcome Sanger Institute

Burcu Bronner-Anar is the Technician Commitment Programme Manager at the Wellcome Sanger Institute. Collaborating with an army of volunteers, she is at the forefront of driving the initiative.

They are a member of the London and South Eastern Technician Commitment Network. The network was established in 2018 by co-leads Stephen Franey, King's College London and Karen Henderson, University of Reading.



Tom Chaplin

London South Bank University

Tom graduated from LSBU with BA-hons (Photography) in 2018 and now works as a technical specialist for the School of Arts and Creative Industries at LSBU. Tom spent 7 years working as a freelance photographer. During this time, he built both a successful commercial practice as well as delivered photography workshops and holidays across the world. With a varied client list including companies such as: Pepsi, Fassi, Macmillan Cancer Support, Peabody and a plethora of London Theatres and Production Companies; Tom has been able to bring an extensive knowledgebase to his role. The key duties within his role include: the delivery of technical workshops and training in specialist equipment and software and the management and maintenance of the studio spaces.



Tom Cheek

Science Council

Tom has over 23 years' experience in the apprenticeship landscape, in roles such as delivery, quality assurance, curriculum design and technology enhanced learning with an FE apprenticeship training provider. Over the last 3 years Tom has been contributing developments into creating connections between apprenticeships and professional registration, forming accessible routes for apprentices to benefit from enhanced learning and securing positive post-apprenticeship destination, through engaging with professional bodies.



Andrew Cripps

University of Reading

Andrew Cripps is the Technical Head of the Biology Research Facility and has played a significant role in the Athena Swan Award- Gender Equality Work in Technical Services at the University of Reading



Dave Easton

London South Bank University

Dave joined London South Bank University in 2021 at the new LSBU campus in Croydon. Before working at LSBU, Dave previously worked at Kings College London for 6 years. During this time Dave developed a passion for Simulation based teaching which will help to improve patient safety across the NHS when our students are on placement and throughout their careers in healthcare.

Dave has helped facilitate income generating events such as the Invest In Students course which gives potential future Doctors decide if they would like to pursue a career in medicine, he also lead on the design and installation of the Sensory Room suite located at the Croydon Campus which is utilised by Mental Health Nurses and Learning Disability Nurses.



Paul Eldon

London South Bank University

Paul is a Technician Member of the Institution of Civil Engineers. Paul is responsible for the Strength of Materials laboratory and the Mechanics of Machines laboratory, collaborating with academic staff from the School of the Built Environment and Architecture and the School of Engineering to deliver laboratory sessions and to demonstrate experiments and procedures to undergraduate and postgraduate students. In addition, Paul advises students on the use of engineering software and related digital processes. He has a particular interest in working on research projects.

Paul's work involves the testing of a range of materials, for example steel, timber, concrete, 3d printed polymers and composites utilising several testing and measurement techniques. Through many years of experience working in technical support at LSBU he has contributed on a diverse range of projects.



Laura Elsey

London South Bank University

Laura is a qualified Fingerprint Expert and produced evidence for court as an Expert Witness. During her career Laura worked within the Fingerprint Development laboratories carrying out the chemical treatments of exhibits and she carried out blood searches and cellular recovery from real time exhibits within the Police Force DNA Recovery laboratories.

Laura went on to train and work as a Digital Forensic Examiner examining mobile phone devices which is where she went on to manage a team of Computer Analysts within the Digital Forensic Unit. Laura trained to be an auditor and played an integral part of her police force gaining ISO17025 accreditation for the Fingerprint Development Labs.



Andrew Filby

Newcastle University

Prof. Andrew Filby is a newly appointed Professor of Practice in Enabling Technologies (PoPET) at Newcastle University where he leads his own research group focused on Flow Cytometry and Single Cell Technologies. He also leads the "Innovation, Methodology and Application" (IMA) crosscutting research Theme in the Faculty of Medical Sciences (FMS) overseeing ~350 members from different technology and methodology backgrounds that includes both academic and technical job families. The ethos of the IMA is built on strong principles of equality, diversity and inclusion (EDI). Professor Filby also serves as a director of the Newcastle University Centre of Research Excellence (NUCoRE) in Biomedical Engineering. He won the Times Higher Education (THE) "Outstanding Technician of the Year" in 2021.



Stephen Franey MBE

Kings College London

Stephen Franey MBE, CSci, FIAS is Technical Staff Development Manager at Kings College London and is the co-founder of the London and SE Technician Commitment Network. He is an applicant support mentor and assessor for all of the professorial registers with the Science Council. Stephen has dedicated much of his time to supporting technical professionals.

Congratulations Stephen, on your achievement for being honored with the award of MBE in His Majesty the King's Birthday honors list.



Paul Gilbert

Organisation Name

Paul Gilbert is a Technical Manager at the University of Liverpool, Chairperson of the TMU, and co-chair of the recently-formed ITSS Technician Council. Paul's technical career began in London in 2002, working for a company testing for drugs and alcohol in the workplace. He joined the University of Manchester as a research technician in 2005 before moving to the University of Liverpool as a Technical Manager in 2017, where he now leads a team of technical staff across the several departments that constitute the Institute of Life Course and Medical Sciences within the Faculty of Health and Life Sciences.



Benjamin Glazier

UniGreenScheme

Ben co-founded UniGreenScheme whilst working as a professional business consultant for Business Wales in 2014. He has extensive experience in consulting for a range of businesses and also has a Chartered Institute of Marketing. Ben also manages an extensive property portfolio.

Within UniGreenScheme Ben is responsible for several key strategic areas including the financial strategy and marketing strategy.



Isabel Goncalves Cattuzzo

University College London

Isabel Goncalves Cattuzzo FHEA, CSci, MIScT, Technical Staff Programme Manager at UCL (on secondment) is the Departmental Technical Manager at UCL School of Pharmacy, currently working on implementing the Technical Skills Development Hub at UCL.

They are a member of the London and South Eastern Technician Commitment Network. The network was established in 2018 by co-leads Stephen Franey, King's College London and Karen Henderson, University of Reading.



Ian Hancox

University of Warwick

Dr Ian Hancox is Director of Research Technology and Technical Strategy, University of Warwick (UoW): IH oversees the Research Technology Platforms, containing 13 core research facilities with >50 research technical professionals, and has responsibility for the technical strategy for 275 staff at UoW. IH was integral in developing the EPSRC funded (£1M) Warwick Analytical Science Centre (WASC) and is co-lead on both the Research England funded TALENT (£5M) and £5.5M UK Institute of Technical Skills & Strategy (ITSS).



Catrin Harris

Midlands Innovation TALENT

Catrin is a Research Fellow for the TALENT project, which seeks to raise the status and opportunities for technicians in HE and research. She was the lead for qualitative research for the TALENT Commission, with a particular focus on the perception, visibility, and recognition of technical staff within UK HE and research. She has also led a project on research culture, which led to the report *Research Culture: A Technician Lens*, published in September 2022. More recently she has led a project investigating the role of technicians in health and safety in higher education and research, which explores technical staff's roles and responsibilities, their qualifications, the perceptions and value of this aspect of their roles, and their views on health and safety culture, the report from which will be published in September 2023.



Karen Henderson

University of Reading

Dr Karen Henderson, Director of Technical Services at the University of Reading is responsible for managing and co-ordinating core technical support across the University. She is the Chair of the Technical Services Athena Swan Self-Assessment Team.



Bernie Jendrzewski

SISO Software limited

Bernie is the driving force behind Siso Software Limited. With a passion for innovation and a profound belief in the transformative power of technology, he has led SISO to the forefront of the industry. As we gather at this conference, he is eager to showcase their pioneering solutions, SmartHub and SmartLab, which have redefined the way technical environments operate.

Siso Software Limited, under his guidance, has established itself as a trailblazer in the realm of technology solutions.



James Jenkin

University of Manchester

James served in the Royal Navy as a submarine warfare officer from 1979 to 2008, operating in all the UK's classes of submarines both nuclear and conventionally powered. On leaving, he was employed as a consultant for a company specialising in the provision of incident and emergency management and business continuity, developing resilient businesses and decision-makers able to rise to emergency and crisis situations. He worked across the spectra of high risk industry including nuclear reprocessing, petrochemical, pharmaceutical, manufacturing, utilities and transport. James joined the University of Manchester in Feb 2021 tasked with the development and implementation of robust emergency and incident response, fire prevention and business continuity practices.



Ethan Knights

Westminster City Council

Dr Ethan Knights is a Data Scientist working closely with the council's service teams to develop architectural solutions, typically involving applied-statistics and machine-learning. He originally trained in Cognitive Neuroscience and has a background managing public open-data platforms.



Silvio Lavandeira

London South Bank University

Silvio Lavandeira, an esteemed visionary in the field of CAD, originates from the bustling metropolis of Sao Paulo, Brazil. In 2002, driven by an insatiable curiosity and a quest for new horizons, he embarked on a transformative journey that led him to the heart of the United Kingdom, where he has since firmly established his distinguished presence. Silvio's inherent passion for design engineering and unwavering dedication to CAD/3D designing continually propel him towards ground-breaking innovations, reshaping the tools that will define our future. Since 2008, Silvio has played an instrumental role within the Autodesk Education Communities, empowering educators and students through his immense knowledge and expertise.



Jodie Malcolm

University of York

Jodie Malcolm is a third year PhD student at the University of York. As part of a 3-month PhD placement, Jodie joined the Biosciences Technology Facility in July of 2022 where she worked closely with Clare Steele-King in the Imaging & Cytometry lab. It was here that Jodie was first introduced to The UniGreen Scheme, after volunteering to help Clare out with a Green Impact project.

Since then, Jodie has supported Clare in her valiant mission to spread the good word about UniGreen within the department, even getting her PI on board to sell old equipment to them!

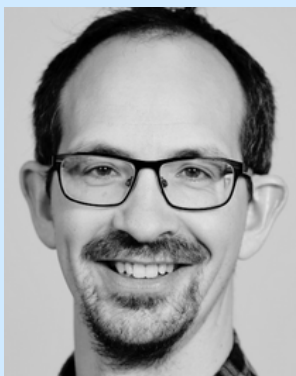


Michael McLeod

UniGreenScheme

Michael is responsible for managing the board, the overall strategy of UniGreenScheme and its multiple sales avenues. He also enjoys meeting clients, so is a regular at events and even the occasional university collection.

He co-founded UniGreenScheme whilst working as a post-graduate student at the University of Birmingham, and is now widely regarded for his entrepreneurship skills, and passion for waste prevention. He has won several awards such as the Santander Universities Entrepreneurship Awards (2016), and also featured in numerous TV, Radio and newspaper articles discussing the topics of entrepreneurship, waste prevention and sustainability.



Darren McCabe

Brunel University London

Darren McCabe is a Senior Technicians at Brunel University London, who are responsible for providing a support service in the teaching and research laboratories (Biosciences).

They are a member of the London and South Eastern Technician Commitment Network. The network was established in 2018 by co-leads Stephen Franey, King's College London and Karen Henderson, University of Reading.



Tamica Mighty

London South Bank University

Tamica Joined LSBU in March 2023 as a senior clinical skills and simulation technician. Tamica brings with her 21 years of experience in paediatric and adult nursing, including six years in the Army Medical Corp. Having extensively worked with student nurses in the NHS, Tamica was motivated to join a team of educators that could actively contribute to the understanding and development of future healthcare professionals. In her current role Tamica provides support across both Health and Social Care Schools and keenly shares her operational knowledge of healthcare instrumentation with her colleagues and students.



Marie Oldfield

Oldfield Consultancy

Dr Marie Oldfield is Director of Oldfield Consultancy. Oldfield Consultancy works across Private and Public Sectors in Statistics, Modelling and Artificial Intelligence. Marie is currently writing a PhD on Artificial Intelligence at the University of Portsmouth. Marie holds a Masters Degree in Philosophy which complements her technical degrees in Mathematics and Statistics.

Marie is a Chartered Statistician and Chartered Scientist. Working with the Royal Statistical Society Marie sits on the Professional Affairs and Statisticians for Society committees. Marie is an assessor for Chartered Scientist, Chartered and Graduate Statistician status.



Alan Power

London South Bank University

Alan joined LSBU in 2014 as a Theatre Technician and is now Technical Theatre Manager of the Edric Theatre and Studios. He graduated with a BA (Hons) in Drama from Kingston University and went on to receive an MA in Filmmaking. This cross-disciplinary study led him to specialise in video and projection mapping for live performance as well as having a keen focus on interactive and immersive theatre practices. His key duties are to oversee the operation and maintenance of the Edric Theatre and Studios as well as its props and set stores and fabrication workshop. As well as facility management, he delivers high quality technical instruction and workshops on video editing, projection mapping and sound/video operation for live theatre.



Gabor Radics

LabCup Ltd

Dr. Gabor Radics (PhD, DGSA) will speak about modern solutions to the challenges you face in research laboratories or production sites today. Working with chemicals and expensive instruments requires a great deal of administration, reporting, health and safety, financial and environmental considerations. Using clever software solutions shows the way forward.

Gabor holds a PhD degree in chemistry and over 15 years of firsthand experience in academia and in the pharmaceutical industry.



Hamed Rajabi

London South Bank University

Dr. Hamed Rajabi is a distinguished Senior Lecturer in the School of Engineering (SoE) at London South Bank University (LSBU). His expertise lies at the fascinating intersection of engineering and biology, where he has made groundbreaking contributions to the field of biomechanics, particularly in the study of insect wings. Dr. Rajabi's academic journey is marked by remarkable achievements and an insatiable thirst for knowledge. He obtained his first Ph.D. in engineering in 2016, followed by a second Ph.D. in biology in 2019, a testament to his interdisciplinary approach to research. Prior to joining LSBU, he worked as a Postdoctoral researcher with Prof. Stanislav Gorb at Kiel University, delving deeper into the mysteries of the natural world.



Margaret Ross MBE

Southampton Solent University

Margaret Ross is Emeritus Professor of Software Quality at Southampton Solent University. She sits on the British Computer Science Council, Chair of a Branch and Vice Chair of 2 Specialist Groups and on various committees, and have also acted as Director for BCS Quality and e-learning conferences for over 20 years.



Richard Saldanha

Queen Mary University of London

Richard is one of the founder Members of the IST's AI Special Interest Group and currently hosts the AI Seminar Series. He is involved in providing expertise and advice on artificial intelligence, machine learning and data science through consultant Oxquant and is actively involved in the AI for Control Problems project at The Alan Turing Institute. Richard has been a Visiting Lecturer in Machine Learning at Queen Mary University of London since 2018. He is also a Guest Lecturer in Finance and ML at the Saïd Business School, University of Oxford and is engaged in supervising MSc projects in Operational Research and Analytics in the Mathematics Department at the London School of Economics and Political Science.



Uzma Sadiq,

University College London

Uzma Sadiq is the Apprenticeship Manager at University College London (UCL) and is responsible for managing and promoting Apprenticeships across UCL internally with particular focus the Technical Community and UCL East.

They are a member of the London and South Eastern Technician Commitment Network. The network was established in 2018 by co-leads Stephen Franey, King's College London and Karen Henderson, University of Reading.



Graeme Shaw

Brunel University London

Graeme graduated in 2002 with BA-hons (Music) and now works as both a technical specialist and technical manager for Digital Arts for the College of Business, Arts and Social Sciences. For over 15 years Graeme has provided technical demonstration and support for Digital Performance in Theatre and Sonic Arts in Music as well as day-to-day support for staff and students in the Arts and Humanities. He is an Apple Certified Professional for Logic Pro X and achieved Associate Fellowship to the Higher Education Academy in 2019. Most recently Graeme was invited to meet staff and students at Tokyo University of the Arts to talk about his interest and on-going research into creating contemporary performance using gesture-controlled sound.



Shan Shen

University of Reading

Dr Shan Shen is Technical Head of the MRI Facility in the Centre for Integrative Neuroscience and Neurodynamics.

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Oliver Spier

London South Bank University

Oliver works as the Senior Kitroom Technician at London South Bank University, having moved from Photography Technician in May 2023, a post he held for five years. His key duties include the delivery of high-quality technical workshops, along with the maintenance and management of equipment and several studio spaces across the campus using the online bookings system SISO. He graduated from the University of West London in 2016, where he began to specialise in studio and location portraiture and headshots. Oliver is an associate member of the Royal Photographic Society, and a Phase One Certified Professional. Most recently, Oliver has set up a working group for arts technicians at LSBU and is currently undertaking research surrounding the ontology of the photographic print.



Clare Steele-King

University of York

Clare Steele-King is the Electron Microscopy Lead in the Bioscience Technology Facility at the University of York. After completing a PhD and a couple of post-doc positions, Clare worked as a lab manager for over fifteen years, before returning to her first love of Electron Microscopy in 2020. Having made use of the UniGreenScheme to sell some redundant equipment and accessories in the Bioscience Facility, and finding the whole process surprisingly easy, Clare decided to spread the word within the Department and University and working with Jodie Malcolm and two others, they have now embedded UniGreenScheme into the department's standard process for equipment clearance.



Anthony Vencatasamy

University of Reading

Anthony Vencatasamy is a Senior Teaching and Research Technician in the University of Reading Biology Division.

They are a member of the London and South Eastern Technician Commitment Network. The network was established in 2018 by co-leads Stephen Franey, King's College London and Karen Henderson, University of Reading.



Joan Ward

Institute of Science and Technology

Having started her career as a trainee technician at the University of Manchester, with minimal science qualifications, Joan worked in a number roles in their bioscience labs whilst gaining additional qualifications in science subjects up to degree level (Open University). Following on from her basic grounding in teaching/research she then spent 10 years as a Lab Superintendent/Manager, during which time she secured (over a number of years) approaching £1m in grant income to support the development of trainee technician programmes (in collaboration with a local FE College).



Murray Webster

University of Gothenburg

Murray is a master's student at the University of Gothenburg, where he has recently completed an MSc in European Studies and is working towards an MA in Theoretical Philosophy. His MSc dissertation concerned the European Union's digital policy towards artificial intelligence and blockchain, highlighting critical weaknesses in its approach. He studied previously at the University of Glasgow and graduated with first-class honours in English Literature and Philosophy. Murray's research interests concern the interactions between planetary-scale computational systems and structures of socio-political governance. As a part of the IST's AI Group, he runs the research section and is therein helping to develop a taxonomy for ethical AI research.



Martin Weller

London South Bank University

Martin joined LSBU at the age of 19 where he started the role as the health & social cares sickness & absence administrator. He was in the role for around 7 years and, after completing various customer service courses, he grew keen to become more student focused. An opportunity became available to join the placements team where he was responsible for working alongside the NHS hospital trusts to allocate and organise students' placements. After visiting various hospital sites and becoming increasingly interested in the different pieces of equipment used on wards, Martin then took the leap and joined the clinical skills and simulation team. It was here that Martin developed his skills as an effective simulation technician within the Technical Support Services and moved on to becoming a senior team member.



Russell Wilson

Heriot-Watt University

Russell started his career as a trainee Sport and Exercise Science Technician at Edinburgh Napier University in 2004. There he studied part time whilst working full time in his role graduating with a degree in Sport and Exercise Science in 2013.

After 18 years at Edinburgh Napier University, he moved to Heriot-Watt University in 2022 to take on a Senior Technician role within a newly established sport and exercise science programme.

Russell first joined the IST in 2019 and is keen to help the new IST Scotland Network group grow.

The Institute of Science & Technology is very grateful for the support from our brilliant speakers, who truly do make the day a fantastic success.

The thoughts, opinions and expertise are their own and they have put a great deal of time of detail into the workshops to give delegates new and interesting insights, into their own work or into something they are particularly interested in.

We hope you enjoy the talks from our technical colleagues across the UK.

IST CONFERENCE 2023



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